

ABSTRACT

A scheduling mechanism controls packet data from multiple types of data sources. The data sources include reroutable and non-reroutable data. The multiple types of data sources flow into a multiuser channel in a wireless spread spectrum code division multiple access communication system. A queue associated with the multiuser channel has an input configured to receive incoming packet data from a plurality of data sources queues. The multiuser channel queue outputs the received packet data for transmission over the multiuser channel. Each data source queue uniquely associated with each data source and has an input configured to receive data from the queue's data source. Each data source queue capable of varying its capacity. The varying capacity of each data source changes based on in part an availability of the multiuser channel queue.

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